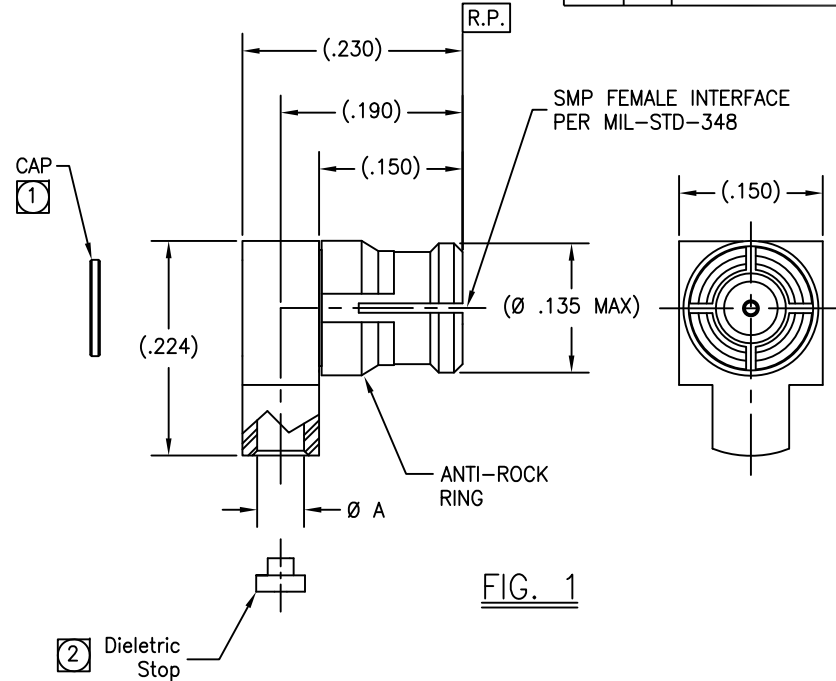


P/N	APPLICABLE NOTE(S)	Ø A	CABLE TYPES	FIG.
-1CC	1,2,3	.049 MIN	Ø .047 SEMI-RIGID	1
-2CC	1,2,3	.088 MIN	Ø .085 SEMI-RIGID	2
-3CC	1,2,3	.049 MIN	Ø .047 MICROPOROUS	1
-4CC	1,2,3	.088 MIN	Ø .085 MICROPOROUS	2
-5CC				
-6CC				
-7CC				
-8CC				

REVISIONS				
ZONE	REV.	DESCRIPTION(S)	DATE	BY
-	G	ECO 17805	01.14.05	RC
-	H	ECO 18030	03.22.05	RC
-	J	ECO 21448	07.22.08	DKN



NOTE(S):

- 1. Cap to be packaged and shipped unassembled.
- 2. dielectric stop is required for -1CC, -3CC, -5CC, -7CC and to be packaged and shipped unassembled.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL:
<p>Body: BeCu alloy per ASTM B-196.</p> <p>Center Conductor: BeCu alloy per ASTM B-196.</p> <p>EMI &amp; Anti-Rock Ring And Cap: BeCu alloy per ASTM B-196.</p> <p>Dielectric: PTFE per ASTM D-1710.</p> <p>Dielectric Stop (-1CC, -3CC, -5CC, -7CC): Torlon per ASTM D-5204 or Mil-P-46179.</p> <p>Conductive EMI Ring: Silicone per MIL-G-83528.</p>	<p>Impedance: 50 Ohms nominal.</p> <p>Frequency Range: DC to 18 GHz.</p> <p>VSWR: 1.20:1 max @ 18 GHz.</p> <p>Insertion Loss: .10dB max to 18GHz.</p> <p>Working Voltage: 335 Vrms max @ sea level. 65 Vrms @ 70,000 ft.</p> <p>Dielectric Withstanding Voltage: 500 Vrms min.</p> <p>R.F. HiPot Voltage: 325 Vrms min @ 5MHz.</p> <p>Corona Level: 190 Vrms @ 70,000 ft.</p> <p>Insulation Resistance: 5,000 MegOhms min.</p> <p>Contact Resistance: Center Contact: 6.0 Milliohm max. Outer Contact: 2.0 Milliohm max.</p> <p>R.F. Leakage: -80 dB to 3 GHz.</p>	<p>Mating Characteristics: Interface per Mil-Std-348.</p> <p>Force To Engage &amp; Disengage: Engage: 15 pounds max for Full Detent. 10 pounds max for Limited Detent. 2 pounds max for Smooth Bore.</p> <p>Disengage: 5 pounds min for Full Detent. 2 pounds min for Limited Detent. .5 pound min for Smooth Bore.</p> <p>Center Contact Retention: Axial Force: 1.5 pounds min. Radial Torque: NA</p> <p>Connector Durability: Depend on Detent</p>	<p>Temperature Range: -65° to +125°.</p> <p>Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. (except high temperature to be +165°C)</p> <p>Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1,000 MegOhms within 5 minutes after removal from humidity.</p> <p>Corrosion: Mil-Std-202, Method 101, Test Cond. B.</p> <p>Vibration: Mil-Std-202, Method 204, Test Cond. D.</p> <p>Shock: Mil-Std-202, Method 213, Test Cond. I.</p> <p>Solderability: Mil-Std-202, Method 208.</p>

FINISH(ES):	APPLICABLE TENSOLITE DOCUMENTS			TOLERANCES AND NOTES EXCEPT AS NOTED		SEE NOTE(S)	-	SEE NOTE(S)	-
	WORK STD	PROD INST	ASSY INST	DIMENSIONS ARE IN INCHES.					
Body, Center Conductor, EMI & Anti-Rock Ring And Cap: Gold plate per ASTM B-488, type II, code C or D, class 1.25 over nickel under plate per AMS-QQ-N-290, class 1.	NA	NA	AI-307	LINEAR	.001 ±.005	APPROVAL INITIALS: BRD DATE: 01/31/96 TEST ENG: [ ] QUALITY: [ ] DESIGN ENG: DNG DATE: 07.31.08 MFG ENG: [ ]	-	-	-
			AI-308	FRACTION	± 1/32				
				1. MACHINE FINISH: 32/ RMS. 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-28 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.		Tensolite HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815 TITLE: SMP FEMALE MITER RIGHT ANGLE TO SEMI-RIGID CABLE (18 GHz VERSION) SCALE: NONE SUB-DIRECTORY/FILENAME: _OLPX\OLP659 SHEET 1 of 2 SIZE: C CAGE CODE: 30990 DRAWING NO.: P659 REV: J			

4

3

2

1

D

C

B

A

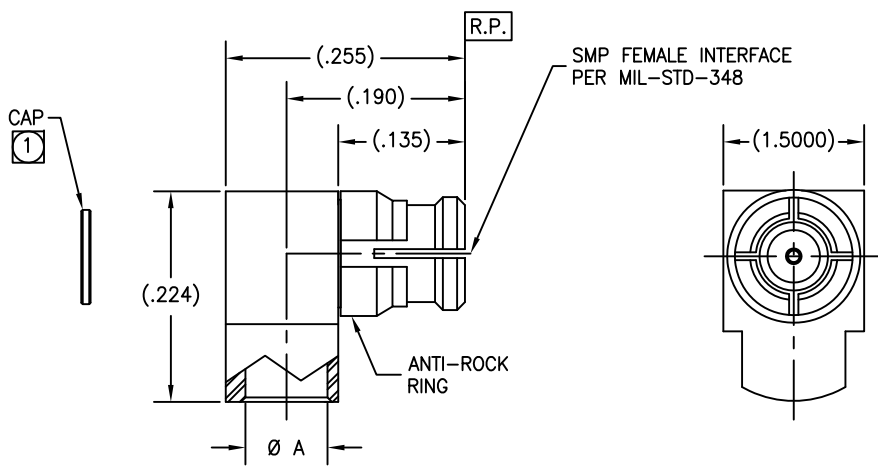


FIG. 2

SCALE NONE	SUB-DIRECTORY/FILENAME _OLPX\OLP659	SHEET 2 OF 2
SIZE C	CAGE CODE 30990	DRAWING NO. P659
		REV. J

4

3

2

1